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Subject: Comanche Phase 2 drilling update
Date: Friday, December 18, 2020 10:08:41 AM

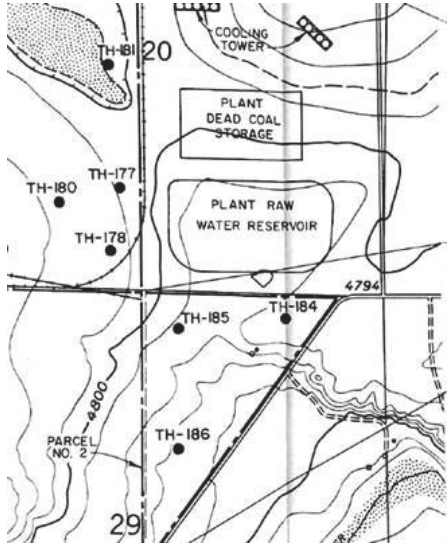
Hello Treasure, Linda, all – following is a summary of the Phase 2 drilling at Comanche Station. All data is preliminary/from field notes, pending completion of development and preparation of well logs. Five new monitoring wells were installed east and south of the bottom ash pond. Geotech hole (W-10) by proposed treatment system area is a temp piezo only. Figure below shows approximate locations (until surveyed), depths and/or screened intervals and the post-installation water level. All wells are screened in weathered shale bedrock. HDR also located two of the 1987 Woodward Clyde borings, both of which are dry.

Water levels as of Wed. 12/16 with development updates as of 12/17:

- W-5B 8.65 ft bgs
- W-9 33.27 ft bgs
 - 12/16 initiated development; purged dry after 19 liters;
 - 12/17 purged dry after another 19 liters; still turbid (>1,000 ntu) but improving)
- W-10A dry
- W-10B 25.41 ft bgs
 - 12/17 purged dry after 6 liters, still very turbid (over 1,000 ntu)
- W-11 20.73 ft bgs
 - 12/17 purged dry after 84 liters, still turbid ~ 1,000 ntu.
- W-12 19.46 ft bgs
 - 12/17 purged dry and recharged completely; purged again for 60 Liters total; turbidity in the few 100's ntu.
- W-13 dry 29.34' bgs

Woodward Clyde borings (1987) field located this week

- TH-184 dry 16.62' bgs (alluvium)
- TH-185 dry 5.91 ft bgs (unweathered shale)



12/8/2020 geotech hole, temp piezo
at location of proposed new treatment system

W-10A 7'-17' screen (colluvium) = DRY
W-10B 20.5' - 30.5' screen WL 12/8 = 27.72'

W-5B (12/14/2020)
30.5' - 35.5' screen
WL 12/14 = 8.77' bgs

W-9 (12/3-4/2020)
27' - 37' screen
WL 12/8 = 33.25'

W-8 dry

dry

W-13 (12/10/2020)
24' - 29' screen
DRY

TH-184 WC 1987
7'-17' screen, alluvium
DRY

W-12 (12/9/2020)
14.5' - 24.5' screen
WL 12/9 = 19.58'

TH-185 WC 1987
2'-10' screen, shale
DRY

W-11 (12/9/2020)
23' - 33' screen
WL 12/9 = 22.86'

Objective of Proposed Wells

- Evaluate groundwater quality at the perimeter of the project in the direction of existing possible receptor wells

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